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Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimated for Asphalting to Main & Cross Roads at SMR Layout, Thammaiah Garden, Venkateshwara Layout in Shettihalli Ward No. 12

Est.Cost Rs 49.90Lakhs

Sl.No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	KSRRB 2.300-1		3	4	5 by manually	6	7	8	9
1	~~KSRB 2-1.2.~~ Earthwork ~~in surface~~ excavation in ordinary soil ~~for leveling and lowering the~~ ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2012-13								
	Total Length of road for Asphalt	~~9774.05x6/ 100~~	1	~~580.00~~		~~0.15~~	~~87.00~~		
	Karekallu Layout 1st Main		1	166.00	5.50	0.15	136.95		
	2nd Main		1	160.00	5.50	0.15	132.00		
	3rd Main		1	120.00	5.50	0.15	99.00		
	1st Cross		1	148.00	5.50	0.15	122.10		
	Cross road		1	120.00	5.50	0.15	99.00		
	Cross road		1	180.00	5.50	0.15	148.50		
	Cross road		1	155.00	5.00	0.15	116.25	58.32	49794.00
							~~940.80~~	~~112.32~~	~~105671.00~~
	Basic Rate	~~104.00~~	54.00				853.80		
	Area Weightage 8%	~~8.32~~	4.32						
		~~112.32~~	58.32						
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 Page No. 167/ Item No. 20.18/ PWD SR 2012-13								
			1	~~580.00~~		~~0.20~~	~~116.00~~		
	Karekallu Layout 1st Main		1	166.00	5.50	0.20	182.60		
	2nd Main		1	160.00	5.50	0.20	176.00		
	3rd Main		1	120.00	5.50	0.20	132.00		
	1st Cross		1	148.00	5.50	0.20	162.80		
	Cross road		1	120.00	5.50	0.20	132.00		
	Cross road		1	180.00	5.50	0.20	198.00		
	Cross road		1	155.00	5.00	0.20	155.00		1206112.00
							~~4254.40~~	1059.48	~~1329012.00~~
	Basic Rate	981.00				=	1138.40		171954.00
	Area Weightage 8%	78.48				Limited to	162.30 Cum.		
		1,059.48							

Rs 171954.00

3	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.2/ PWD SR 2012-13								
	Venkateshwara Main road	Sqm	1	690.00	(6.0+6.5)/2		4312.50		
	Thammaiah Garden		1	159.50	(5.0+4.8)/2		781.55		
	Karekallu Layout 1st Main		1	166.00	5.50		913.00		
	2nd Main		1	160.00	5.50		880.00		
	3rd Main		1	120.00	5.50		660.00		
	1st Cross		1	148.00	5.50		814.00		
	Janatha Colony Main Road		1	720.00	6.50		4680.00		
	1st Cross		1	30.00	5.00		150.00		
	2nd Cross		1	60.00	5.00		300.00		
	3rd Cross		1	120.00	5.00		600.00		
	4th Cross		1	150.00	5.00		750.00		
							13041.05	2.38	30986.00
	Basic Rate	2.20							
	Area Weightage 8%	0.18							
		2.38							
4	KSRRB 500-10 : Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.173, Item No. 21.10.1)								
	Venkateshwara Main road	Sqm	1	690.00	(6.0+6.5)/2		4312.50		
	Thammaiah Garden		1	159.50	(5.0+4.8)/2		781.55		
	Karekallu Layout 1st Main		1	166.00	5.50		913.00		
	2nd Main		1	160.00	5.50		880.00		
	3rd Main		1	120.00	5.50		660.00		
	1st Cross		1	148.00	5.50		814.00		
	Janatha Colony Main Road		1	720.00	6.50		4680.00		
	1st Cross		1	30.00	5.00		150.00		
	2nd Cross		1	60.00	5.00		300.00		
	3rd Cross		1	120.00	5.00		600.00		
	4th Cross		1	150.00	5.00		750.00		
							14841.05	10.80	160283.00
	Basic Rate	10.00							
	Area Weightage 8%	0.80							
		10.80							
5	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen Page No. 175/ Item No. 21.20.1/ PWD SR 2012-13								

	Venkateshwara Main road	Cum	1	690.00	(6.0+6.5)/2	0.025	107.81		
	Thammaiah Garden		1	159.50	(5.0+4.8)/2	0.025	19.54		
	Janatha Colony Main Road		1	720.00	6.50	0.025	117.00		
							244.35	8829.00	2157377.00
	Basic Rate	8,175.00							
	Area Weightage 8%	654.00							
		8,829.00							
6	KSRRB 500-4 : Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C.70 or any other bitumen mixed with diesel at 10kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. low porosity MORTH / Chapter 5 (Page No.172, Item No. 21.4.1) PWD SR 2012-13								
	Karekallu Layout 1st Main		1	166.00	5.50	0.20	182.60		
	2nd Main		1	160.00	5.50	0.20	176.00		
	3rd Main		1	120.00	5.50	0.20	132.00		
	1st Cross		1	148.00	5.50	0.20	162.80		
	Cross road		1	120.00	5.50	0.20	132.00		
	Cross road		1	180.00	5.50	0.20	198.00		
	Cross road		1	155.00	5.00	0.20	155.00		
							1138.40	68.36	77826.00
	Basic Rate	63.30							
	Area Weightage 8%	5.06							
		68.36							
7	KSRRB M500-19 : Providing and laying bituminous concrete with 100-120 TPH batch type HOT mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. 30-45mm compacted thickness (Grading II) with 6% Bitumen 80/100 grade using 40-60 HMP. MORTH Specification No.509 (Page No.176, Item No. 21.22.3) PWD SR 2012-13								
	Karekallu Layout 1st Main		1	166.00	5.50	0.04	36.52		
	2nd Main		1	160.00	5.50	0.04	35.20		
	3rd Main		1	120.00	5.50	0.04	26.40		
	1st Cross		1	148.00	5.50	0.04	32.56		
	Cross road		1	120.00	5.50	0.04	26.40		
	Cross road		1	180.00	5.50	0.04	39.60		
	Cross road		1	155.00	5.00	0.04	31.00		
							227.68	10504.08	2391569.00
	Basic Rate	9726.00							
	Area Weightage 8%	778.08							
		10504.08							
8	KSRRB 400-1.3: Carriage of mixed materials 10 kms for items of Sl.No.19.1 to 19.6 and 19.8 to 19.16 (Page No.183)								
	Qty.vide item No. 3	Cum					472.03		

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ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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						L.S	472.03	56.70	26764.00
	Basic Rate	52.50							
	Area Weightage 8%	4.20							
		56.70							
9	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 194/ Item No. 24.15/ PWD SR 2012-13								
	Center Line	0.50	1	2500.00	0.10		125.00		
							125.00	429.84	53730.00
	Basic Rate	398.00							
	Area Weightage 8%	31.84							
		429.84							
10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1						940.80		
	Qty Limited to						911.00	100.35	91422.00
	Basic Rate	25.60							
	Loading and Unloading Charges	67.32							
		92.92							
	Area Weightage @ 8%	7.43							
	Total	100.35							
11	Miscellaneous and other unforseen charges								43.00
								Total	4990000.00

(Rupees Fortynine Lakhs Ninety Thousand Only)

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-12

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

Project Engineer (PE-4)
KRIDL, Dasarahalli Zone, Bangalore

No. JC(DH) AS 724/12-13 Dated: 28/02/13
Rs. 49.90 Lakhs (Rupees Forty Lakhs Ninety Thousand only)
Page No. 129
Sl. No. 724

No. 77/12-13 Dated: 04/03/13
Rs. 49.90 ಲಕ್ಷ ನಲವತ್ತೊಂಬತ್ತು ಸಾವಿರ ರೂಪಾಯಿಗಳಿಗೆ
ಲಕ್ಷ ಮಾತ್ರ ಮೊತ್ತಕ್ಕೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Chief Engineer
Mahanagara Palike
Dasarahalli Zone
Bangalore